

WHAT IS CLAIMED IS:

1. A product trading system for achieving a deal between a seller who sells a product and a buyer who purchases the product, comprising:

5 a production information accumulation means for accumulating production information about the product being produced or to be produced from now on by the seller; ,

a demand information accepting means for accepting the demand information with respect to the product with which the buyer would like to purchase;

10 a matching processing means for performing a matching processing that derives optimal production information from the production information being accumulated in the production information accumulation means in consideration of freight cost based on the demand information accepted at the demand information accepting means; and

15 a matching processing result presentation means for representing the buyer the processing results from the matching processing means.

2. A product trading system according to Claim 1, wherein

the product information includes items, quality, quantity of production, unit price, shipping time, and production place of the product to be produced, and the demand information includes items, quality, amount of purchase, delivery time, and delivery place of the product with which the buyer would like to purchase, and

20 the matching processing means comprises:

a production information refining part that considers items, quality, and delivery time of the product included in the demand information as fixed items and refines the

25 production information that suits the fixed items;

a price calculation part for computing a price that contains freight cost;

a rank setting part for setting up the rank of each production information in increasing order of price on the base of prices calculated in the price calculation part; and

30 a purchase amount decision part for selecting the production information in increasing order of price on the basis of the rank set up in the rank setting part and deciding whether the amount of purchase of the product in the selected information meets the amount of purchase in the demand information.

3. A product trading system according to Claim 1, further comprising:  
a demand information accumulating means for accumulating demand information  
being accepted by the demand information accepting means; and

5 a demand information presentation means for showing the seller the demand  
information being accumulated in the demand information accumulating means.

4. A product trading system according to Claim 1, further comprising:

an evaluation information accepting means for receiving the information about  
evaluations made by the trading partner, which is provided from the seller and/or the  
10 buyer after attaining a deal between the seller and the buyer; and

an evaluation information accumulating means for accumulating evaluation  
information received by the evaluation information accepting means.

5. A product trading system according to Claim 1, further comprising:

15 a client/server system having a seller terminal, a buyer terminal, and a server  
connected together on a network, wherein

the production information accumulating means, the demand information  
accepting means, a matching processing means, and the matching processing result  
presentation means are placed in the server.

20 6. A product trading system for achieving a deal between a seller who sells a product  
produced by a mobile production machine and a buyer who purchases the product,  
comprises:

25 a machine information output means for generating an output of machine  
information that includes items of the product produced by the machine, positional  
information about the machine, and operational information;

a production information accumulating means for accumulating production  
information about the product based on the machine information outputted from the  
machine information output means;

30 a demand information accepting means for accepting demand information about  
the product which the seller would like to purchase;

a production information extracting means for extracting the machine information  
being accumulated in the production information accumulating means based on the

demand information being accepted by the demand information accepting means; and  
a production information presentation means for showing the buyer the mobile  
production machine located in the neighborhood of the delivery place included in the  
demand information among the production information extracted with the production  
information extracting means.

5 7. A product trading system according to Claim 6, further comprising:  
a matching processing means for performing a matching processing in  
consideration of freight cost to induce optimal information from the accumulated  
10 production information on the basis of the demand information, wherein  
the product information presentation means is constructed so that the results of  
the matching processing can be displayed.

15 8. A product trading system according to Claim 7, wherein  
the demand information includes items, quality, amount of purchase, delivery  
time, and delivery place of the product with which the buyer would like to purchase, and  
the matching processing means comprises:  
a production information refining part that considers items, quality, and delivery  
time of the product included in the demand information as fixed items and refines the  
20 production information that suits the fixed items;  
a price calculation part for computing a price that contains freight cost;  
a rank setting part for setting up the rank of each production information in  
increasing order of price on the base of prices calculated in the price calculation part; and  
a purchase amount decision part for selecting the production information in  
25 increasing order of price on the basis of the rank set up in the rank setting part and  
deciding whether the amount of purchase of the product in the selected information fills  
the amount of purchase in the demand information.

30 9. A product trading system according to Claim 6, further comprising:  
a demand information accumulating means for accumulating demand information  
being accepted by the demand information accepting means; and  
a demand information presentation means for showing the seller the demand  
information being accumulated in the demand information accumulating means.

10. A product trading system according to Claim 6, further comprising:  
an evaluation information accepting means for receiving the information about  
evaluations made by the trading partner, which is provided from the seller and/or the  
5 buyer after attaining a deal between the seller and the buyer; and  
an evaluation information accumulating means for accumulating evaluation  
information received by the evaluation information accepting means.

11. A product trading system according to Claim 6, further comprising:  
10 a client/server system having a seller terminal, a buyer terminal, and a server  
connected together on a network, wherein  
the production information accumulating means, the demand information  
accepting means, a matching processing means, and the matching processing result  
presentation means are placed in the server.

15 12. A product trading method for achieving a deal between a seller who sells a product  
and a buyer who purchases the product, comprising:

a production information accumulation procedure for accumulating production  
information about the product being produced or to be produced from now on by the  
seller;  
20 a demand information accepting procedure for accepting the demand information  
with respect to the product with which the buyer would like to purchase;  
a matching processing procedure for performing a matching processing that  
derives optimal production information from the production information being  
25 accumulated in the production information accumulation procedure in consideration of  
freight cost based on the demand information accepted at the demand information  
accepting procedure; and  
a matching processing result presentation procedure for representing the buyer the  
processing results from the matching processing procedure.

30 13. A product trading method according to Claim 12, wherein  
the product information includes items, quality, quantity of production, unit price,  
shipping time, and production place of the product to be produced, and the demand

information includes items, quality, amount of purchase, delivery time, and delivery place of the product with which the buyer would like to purchase, and

the matching processing procedure comprises:

5 a production information refining step that considers items, quality, and delivery time of the product included in the demand information as fixed items and refines the production information that suits the fixed items;

a price calculation step for computing a price that contains freight cost;

10 a rank setting step for setting up the rank of each production information in increasing order of price on the base of prices calculated in the price calculation step; and

15 a purchase amount decision step for selecting the production information in increasing order of price on the basis of the rank set up in the rank setting step and deciding whether the amount of purchase of the product in the selected information fills the amount of purchase in the demand information.

14. A product trading method according to Claim 12, further comprising:

20 a demand information accumulating procedure for accumulating demand information being accepted by the demand information accepting procedure; and

a demand information presentation procedure for showing the seller the demand information being accumulated in the demand information accumulating procedure.

15. A product trading method according to Claim 12, further comprising:

25 an evaluation information accepting procedure for receiving the information about evaluations made by the trading partner, which is provided from the seller and/or the buyer after attaining a deal between the seller and the buyer; and

an evaluation information accumulating procedure for accumulating evaluation information received by the evaluation information accepting procedure.

16. A computer program for executing a product trading method according to Claim 12.

30 17. A computer readable recording medium wherein

a computer program for executing a product trading method according to Claim 12 is stored.